

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 137

Country: Marshall Islands

TABLE 1: Monthly Rainfall

Station (include data period)	Nov-2018	Dec-2018	Jan-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2019)	236.0	322.8	183.6	152.8	236.4	206.2	27/65
Kwajalein (1945-2019)	307.8	167.1	39.1	57.0	120.0	83.7	17/75

TABLE 2: Three-month Rainfall for November 2018 to January 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 August-September 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Majuro (1954-2019)	742.4	Normal	728.8	918.5	836.9	25/65	39	35	26	9	Near-consistent
Kwajalein (1945-2019)	514.0	Below normal	529.3	651.7	597.6	22/73	36	31	33	0	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for March to May 2019**Predictor and Period used: NINO3.4 for December 2018 to January 2019**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2019)	56	748.1	44		1	55
Kwajalein (1945-2019)	60	493.3	40		4	59

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Majuro (1954-2019)	40	622.2	33	884.9	27	1	38
Kwajalein (1945-2019)	46	375.4	27	621.3	27	6	29

TABLE 4: Seasonal Climate Outlooks using POAMA2 for March to May 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Majuro	30	567.0	12	879.0	58
Kwajalein	33	272.0	12	568.0	55

Summary Statements

Rainfall for January 2019:

Majuro recorded normal rainfall and below-normal was recorded at Kwajalein.

Accumulated rainfall for November 2018 to January 2019, including outlook verification:

Normal rainfall was recorded at Majuro and below-normal rainfall was recorded at Kwajalein for the period of November 2018 to January 2019.

The outlook verification was near-consistent at Majuro and consistent at Kwajalein. The skill at Majuro was moderate and low at Kwajalein.

Outlooks for March to May 2019:

1. SCOPIC:

The seasonal outlooks for both Majuro and Kwajalein show below-normal rainfall as the most likely outcome, with normal the next most likely, and above-normal is the least likely.

2. POAMA:

The seasonal outlook favour above-normal rainfall for both Majuro and Kwajalein.

NB: The X LEPS % score has been categorised as follows:

Very Low: $X < 0.0$ Low: $0 \leq X < 5$ Moderate $5 \leq X < 10$ Good: $10 \leq X < 15$ High: $15 \leq X < 25$
 Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$

Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Country	Date: January 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Marshall Islands	01/18/19	Chief Secretary's Office (CSO) and National Disaster Management Office (NDMO)	3	2	1

The climate outlook was sent via email to Chief Secretary, the deputy Chief Secretary, and to the director of the National Disaster Management Office.